# React

Created eventexamplesapp

Updated App.js

```
eventexamplesapp > src > JS App.js > App
 1    import logo from './logo.svg';
 2    import React, { Component } from 'react';
 3    import './App.css';
 4    import CurrencyConvertor from './CurrencyConvertor';
 5
 6    class App extends Component {
 7      constructor(props) {
 8        super(props);
 9        this.state = {
10          counter: 0
11        };
12      }
13
14      increment = () => {
15        this.setState({ counter: this.state.counter + 1 });
16      };
17
18      decrement = () => {
19        this.setState({ counter: this.state.counter - 1 });
20      };
21
22      sayHello = () => {
23        alert("Hello! This is a static message.");
24      };
25
26      increaseAndGreet = () => {
27        this.increment();
28        this.sayHello();
29      };
30
31      sayMessage = (msg) => {
32        alert(msg);
33      };
34
35      handleSyntheticEvent = (event) => {
36        alert("I was clicked");
37        console.log("Synthetic Event object:", event);
```

```
38        };
39
40        render() {
41          return (
42            <div className="App" style={{ padding: "20px" }}>
43              <h1>React Event Handling Example</h1>
44              <h2>Counter: {this.state.counter}</h2>
45              <button onClick={this.increaseAndGreet}>Increment</button>
46              <button onClick={this.decrement}>Decrement</button>
47
48              <hr />
49              <button onClick={() => this.sayMessage("Welcome!")}>Say Welcome</button>
50
51              <hr />
52              <button onClick={this.handleSyntheticEvent}>OnPress</button>
53
54              <hr />
55              <CurrencyConvertor />
56            </div>
57          );
58        }
59      }
60
61      export default App;
62
```
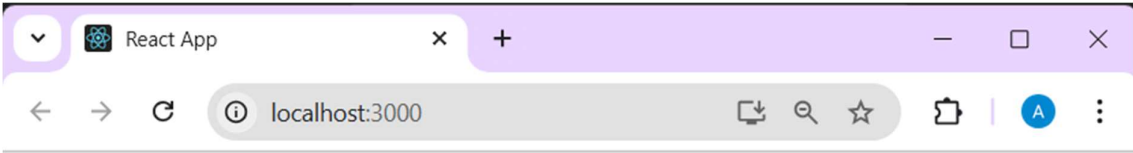
Created and updated CurrencyConvertor.js

```
1     import React, { Component } from 'react';
2     class CurrencyConvertor extends Component {
3       constructor(props) {
4         super(props);
5         this.state = {
6           rupees: '',
7           euros: ''
8         };
9       }
10      handleChange = (e) => {
11        this.setState({ rupees: e.target.value });
12      };
13      handleSubmit = (e) => {
14        e.preventDefault();
15        const euroRate = 0.011;
16        const converted = (this.state.rupees * euroRate).toFixed(2);
17        this.setState({ euros: converted });
18      };
19      render() {
20        return (
21          <div>
22            <h2>Currency Convertor</h2>
23            <form onSubmit={this.handleSubmit}>
24              <input
25                type="number"
26                placeholder="Enter amount in Rupees"
27                value={this.state.rupees}
28                onChange={this.handleChange}
29              />
30              <button type="submit">Convert</button>
31            </form>
32            {this.state.euros && (
33              <p>{this.state.rupees} INR = {this.state.euros} EUR</p>
34            )}
35          </div>
36        );
37      } } export default CurrencyConvertor;
```

Run the react app



**React Event Handling Example**

**Counter: 0**

Increment | Decrement

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Say Welcome

---

OnPress

---

**Currency Convertor**

| 100000 | Convert |

100000 INR = 1100.00 EUR